KEY FEATURES:

- **97 db 1W / 1m average sensitivity**
- **115 mm (4.5") high temperature sandwich voice coil**
- **3200 W AES program power**
- **Vented neodymium magnet assembly with massive heatsink**
- **Double aluminium demodulating rings for lower distortion and improved heat dissipation**
- **Double silicone spiders for improved excursion control and linearity**
- **Water protected cone**
- **Epoxy anti-corrosion coating of top and back plates of magnet structure**

PART NUMBER: 11118N0108

Application : High power bass

The **18NXB1600** neodymium bass loudspeaker is specially designed to deliver very high impact bass response, with exceptional high power capacity. It incorporates an 4.5" sandwich voice coil, double silicone spider assembly, kevlar paper cone and die cast vented aluminium frame. Powerful, vented neodymium magnetic structure with massive heatsink and double demodulating rings reduced power compression. The result is high efficient transducer for subwoofer applications, with the ability to handle very high excursion with low distortion and reduced thermal power compression.

SPECIFICATIONS

Nominal Diameter	18"/461 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.8 Ohm
Power Capacity AES [1]	1600 W
Program Power [2]	3200 W
Sensitivity	(50-200 Hz) 97 dB/W/m
Frequency Range	30 - 1000 Hz
Voice Coil Diameter	115 mm (4.5")
Voice Coil Material	Copper
Voice Coil Former	Glassfiber
V.C. Winding Depth	32 mm
Magnet Gap Depth	14 mm
Cone Material	Kevlar paper
Basket	Die cast aluminium
Magnet	Neodymium
Flux Density	1.1 T

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 180 L box enclosure tuned 43 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

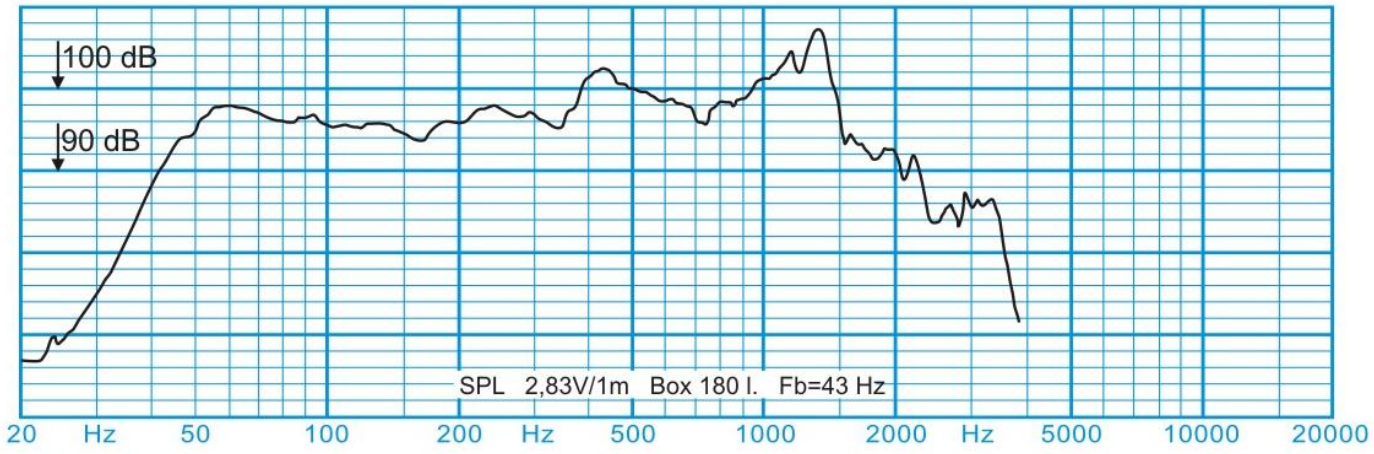
** Linear Mathematical Xmax is calculated as: (Hvc - Hg)/2 + Hg/4 where Hvc is the voice coil depth and Hg is the gap depth.*

THIELE-SMALL PARAMETERS

Fs	32.37 Hz
Qms	5.11
Qes	0.332
Qts	0.303
Vas	173.11 Litres
Mms	261.56 grams
Re	5.30 Ohms
Sd	1158 cm^2
Xmax*	± 13.5 mm
Cms	0.0924 mm/N
BL	29.58 T.m
Le at 1kHz	1.20 mH

MOUNTING INFORMATION

Overall Diameter	461 mm
Baffle Hole Diameter	417 mm
Mounting Holes	8 eliptic 7 x 8,5 mm
Bolt Circle Diameter	438/441 mm
Overall Depth	224 mm
Net Weight	11.7 kg



Frequency Response